



HYMAX GRIP®¹ (DN40 - DN300)

PRODUCT SPECIFICATIONS

FEATURES

- JOINS AND RESTRAINS A WIDE RANGE OF PIPING TYPES AND DIAMETERS
- UNIQUE RADIAL GRIPPING SYSTEM PREVENTS PIPE MOTION
- UNIVERSAL GRIPPING TEETH FIT METAL AND PLASTIC PIPES
- READY TO USE, STAB-FIT DESIGN
- ALLOWS 4° DYNAMIC DEFLECTION PER END, REDUCING FUTURE DAMAGE
- DURABLE DUCTILE IRON BODY
- PATENTED PROGRESSIVE PRESSURE-ASSISTED GASKET WITH 2-STAGE SEALING

SPECIFICATIONS²

STANDARDS³

ALL PRODUCTS MEET OR EXCEED STANDARDS NSF-61 AND NSF-372.
PRODUCTS WERE APPROVED BY 3RD PARTY ILAC LAB ACCORDING TO EN 14525.

SIZE

AVAILABLE IN NOMINAL DIAMETER SIZES DN40 – DN300.

RANGES

26mm – 28mm: NOMINAL DIAMETERS DN40 – DN100.
32mm: NOMINAL DIAMETERS DN125 – DN175.
50mm: NOMINAL DIAMETERS DN175 – DN300.

MATERIALS

END RINGS

DN40 – DN80: CAST STEEL ASTM A216 WCB.
DN100 – DN300: DUCTILE IRON CASTING ASTM A536 GRADE 65-45-12

CENTER RING

DN40 – DN300: DUCTILE IRON CASTING ASTM A536 GRADE 65-45-12.

GASKET

EPDM COMPOUNDED FOR WATER AND SEWERAGE, MEETS INTERNATIONAL STANDARDS FOR CONTACT WITH DRINKING WATER: NSF-61, KTW-UBA ELASTOMER GUIDELINE, W270, XP P 41-250, AS/NZS 4020, AND BS 6920. MEETS DIN EN 681-1 FOR WATER AND DRAINAGE APPLICATIONS.

GRIP CHAIN

SIZE	DN40 - DN80	DN100-DN300
MATERIAL	FN-0405 (Fe4Ni05Mo)	AISI-420

BRIDGE

AISI 304/316 STAINLESS STEEL.

SPHERICAL SPACERS

AISI 304/316 STAINLESS STEEL.

¹ The product is protected by various patents registered in various countries.

² For details about Made to Order (MTO) products please contact your KRAUSZ distributor.

³ For the updated status of the product standards, please contact your local KRAUSZ representative.

COATING

100% FUSION BONDED EPOXY FOR ENHANCED CORROSION PROTECTION. MINIMUM THICKNESS 250 MICRON. MEETS NSF-61, BS 6920, W270, ONORM B 5014-1, XP P 41-250, AS/NZS 4020, UBA-COATINGS GUIDELINE, AND GSK.

NUTS AND BOLTS

AISI 304/316 STAINLESS STEEL. ROLLED THREAD AND ANTI-GALLING COATING.

PRODUCT PERFORMANCE

WORKING TEMPERATURE	EPDM GASKET	EPOXY COATING
	CONTINUOUS OPERATION -30°C UP TO +85°C	ABOVE GROUND APPLICATIONS UP TO +50°C
	SHORT TIME OPERATION -30°C UP TO +100°C	BELOW GROUND APPLICATIONS UP TO +65°C

DYNAMIC DEFLECTION	UP TO 4° PER SIDE
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MIN. PIPE INSERTION	RANGE	< 32mm 50mm
	MIN. PIPE INSERTION	95mm 125mm

MAXIMUM OFFSET FOR MISALIGNED PIPES	DN40 - DN300 6mm
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MAXIMUM OUT OF ROUNDNESS	RANGE	< 32mm		50mm
	NOMINAL DIAMETER	<80mm	100-175mm	>175mm
	OUT OF ROUNDNESS	3mm	4mm	5mm

WORKING PRESSURE	16 BAR ¹
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RATED PRESSURE	24 BAR ²
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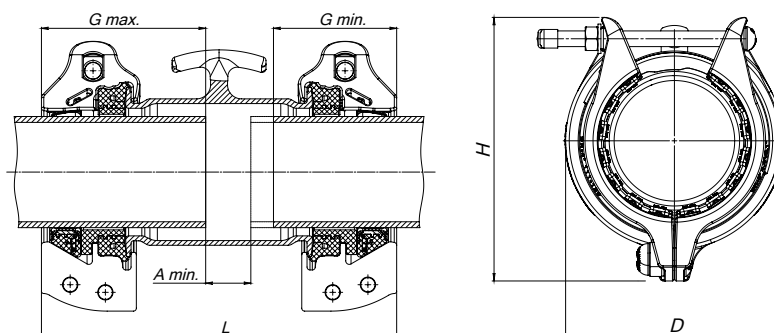
VACUUM TEST	0.8 BAR
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¹For DN300 50mm range, 10 BAR for above ground application for working pressure, 15 BAR for rated pressure.

²For DN 100-300, 29 BAR for steel/DI pipes and 24 BAR for HDPE/PVC pipes.

PRODUCT TABLES

HYMAX GRIP DN40-DN80

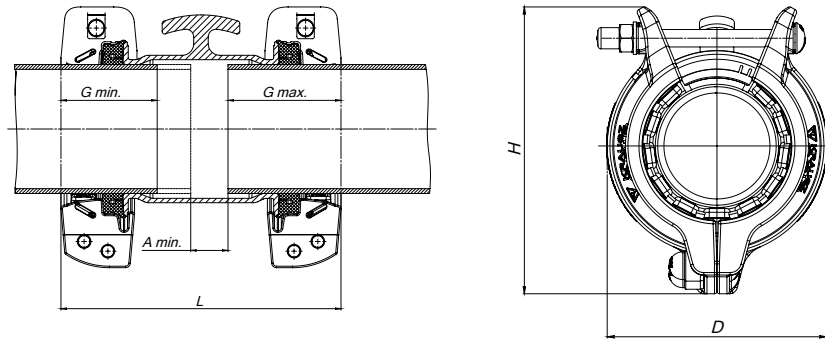


HYMAX GRIP NOMINAL SIZES DN40-DN80

Krausz Part Number	DN	Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)	L (mm)	H (mm)	D (mm)	G-Max Stab Depth (mm)	A Min (mm)	Bolts Qty. -Size	Torque (Nm)	Approx. Weight (kg)
890-827-015039-16	40/50	39-67	39-56	55-67	254	190	136	115	20	2-M14	65	7.01
890-827-025059-16	65	59-87	59-76	75-87	254	205	157	115	20	2-M14	65	9.19
890-827-030080-16	80	80-106	80-95	94-106	303	230	176	140	20	2-M14	65	11.58

PRODUCT TABLES

HYMAX GRIP DN100-DN300



X=5 -> 304 STAINLESS STEEL

X=7 -> 316 STAINLESS STEEL

HYMAX GRIP NOMINAL SIZES DN100-DN175

Krausz Part Number	DN	Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)	L (mm)	H (mm)	D (mm)	G-Max Stab Depth (mm)	A Min (mm)	Bolts Qty. -Size	Torque (Nm)	Approx. Weight (kg)
890-82X-04104-16	100	104-130	104-118	117-130	301	249	199	140	25	2-M16	100	12
890-82X-05130-16	125	130-162	130-146	145-162	342	299	253	160	25	2-M16	110	20.4
890-82X-06158-16	150	158-190	158-174	173-190	342	330	280	160	25	2-M16	130	22.8
890-82X-07198-16	175/200	198-230	198-214	213-230	342	375	324	160	35	2-M16	130	27.8

HYMAX GRIP NOMINAL SIZES DN175-DN300

Krausz Part Number	DN	Overall Range (mm)	Before removal of inner layer (mm)	After removal of inner layer (mm)	L (mm)	H (mm)	D (mm)	G-Max Stab Depth (mm)	A Min (mm)	Bolts Qty. -Size	Torque (Nm)	Approx. Weight (kg)
890-82X-07190-16	175	190-240	190-215	214-240	403	398	366	190	35	4-M16	120	45.3
890-82X-08214-16	200	214-264	214-239	238-264	403	424	390	190	35	4-M16	140	49.1
890-82X-10266-16	250	266-316	266-291	290-316	403	480	442	190	55	4-M16	140	57.6
890-82X-12312-16	300	312-362	312-337	336-362	403	525	489	190	55	4-M16	180	66.2

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